Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade K			
Activity/Lesson	**State**	**Standards**	
Finding the Center of Gravity Using Rulers	GA	SCI.K.SKCS1.a	Raise questions about the world around you and be willing to seek answers to some of the questions by making careful observations (5 senses) and trying things out.
Finding the Center of Gravity Using Rulers	GA	SCI.K.SKCS3.a	Use ordinary hand tools and instruments to construct, measure (for example: balance scales to determine heavy/light, weather data, nonstandard units for length), and look at objects (for example: magnifiers to look at rocks and soils).
Finding the Center of Gravity Using Rulers	GA	SCI.K.SKCS6.b	Tools such as rulers, magnifiers, and balance scales often give more information about things than can be obtained by just observing things without help.
Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade 1			
Activity/Lesson	**State**	**Standards**	
Finding the Center of Gravity Using Rulers	GA	SCI.1.S1CS1.a	Raise questions about the world around them and be willing to seek answers to some of the questions by making careful observations and measurements and trying to figure things out.
Finding the Center of Gravity Using Rulers	GA	SCI.1.S1CS3.a	Use ordinary hand tools and instruments to construct, measure, and look at objects.
Finding the Center of Gravity Using Rulers	GA	SCI.1.S1CS6.b	Science involves collecting data and testing hypotheses.
Finding the Center of Gravity Using Rulers	GA	SCI.1.S1CS7.c	Tools such as thermometers, rulers and balances often give more information about things than can be obtained by just observing things without help.
Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade 2			
Activity/Lesson	**State**	**Standards**	

Finding the Center of Gravity Using Rulers	GA	SCI.2.S2CS1.a	Raise questions about the world around them and be willing to seek answers to some of the questions by making careful observations and measurements and trying to figure things out.
Finding the Center of Gravity Using Rulers	GA	SCI.2.S2CS3.a	Use ordinary hand tools and instruments to construct, measure, and look at objects.
Finding the Center of Gravity Using Rulers	GA	SCI.2.S2CS6.b	Science involves collecting data and testing hypotheses.
Finding the Center of Gravity Using Rulers	GA	SCI.2.S2CS7.c	Tools such as thermometers, rulers and balances often give more information about things than can be obtained by just observing things without help.
Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Finding the Center of Gravity Using Rulers	GA	SCI.3.S3CS1.b	Offer reasons for findings and consider reasons suggested by others.
Finding the Center of Gravity Using Rulers	GA	SCI.3.S3CS8.b	Clear and active communication is an essential part of doing science. It enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.
Finding the Center of Gravity Using Plumb Lines	GA	SCI.3.S3CS1.b	Offer reasons for findings and consider reasons suggested by others.
Finding the Center of Gravity Using Plumb Lines	GA	SCI.3.S3CS8.b	Clear and active communication is an essential part of doing science. It enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.
Changing the Center of Gravity Using Moment Arms	GA	SCI.3.S3CS1.b	Offer reasons for findings and consider reasons suggested by others.
Changing the Center of Gravity Using Moment Arms	GA	SCI.3.S3CS8.b	Clear and active communication is an essential part of doing science. It enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.
Exploring the Extreme			
2004 Science			

Performance Standards			
Georgia Science			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Finding the Center of Gravity Using Rulers	GA	SCI.4.S4CS1.c	Offer reasons for findings and consider reasons suggested by others.
Finding the Center of Gravity Using Rulers	GA	SCI.4.S4CS8.a	Scientific investigations may take many different forms, including observing what things are like or what is happening somewhere, collecting specimens for analysis, and doing experiments.
Finding the Center of Gravity Using Rulers	GA	SCI.4.S4CS8.b	Clear and active communication is an essential part of doing science. It enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.
Finding the Center of Gravity Using Plumb Lines	GA	SCI.4.S4CS1.c	Offer reasons for findings and consider reasons suggested by others.
Changing the Center of Gravity Using Moment Arms	GA	SCI.4.S4CS1.c	Offer reasons for findings and consider reasons suggested by others.
Changing the Center of Gravity Using Moment Arms	GA	SCI.4.S4CS8.b	Clear and active communication is an essential part of doing science. It enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.
Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Jet Propulsion	GA	SCI.5.S5CS1.c	Offer reasons for findings and consider reasons suggested by others.
Jet Propulsion	GA	SCI.5.S5CS8.a	Scientific investigations may take many different forms, including observing what things are like or what is happening somewhere, collecting specimens for analysis, and doing experiments.
Jet Propulsion	GA	SCI.5.S5CS8.b	Clear and active communication is an essential part of doing science. It enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.
Vectoring	GA	SCI.5.S5CS1.c	Offer reasons for findings and consider reasons suggested by others.

Vectoring	GA	SCI.5.S5CS8.b	Clear and active communication is an essential part of doing science. It enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.
Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Jet Propulsion	GA	SCI.6.S6CS5.b	Identify several different models (such as physical replicas, pictures, and analogies) that could be used to represent the same thing, and evaluate their usefulness, taking into account such things as the model's purpose and complexity.
Jet Propulsion	GA	SCI.6.S6CS9.a	Scientific investigations are conducted for different reasons. They usually involve collecting evidence, reasoning, devising hypotheses, and formulating explanations.
Vectoring	GA	SCI.6.S6CS9.a	Scientific investigations are conducted for different reasons. They usually involve collecting evidence, reasoning, devising hypotheses, and formulating explanations.
Center of Gravity, Pitch, Yaw	GA	SCI.6.S6CS5.b	Identify several different models (such as physical replicas, pictures, and analogies) that could be used to represent the same thing, and evaluate their usefulness, taking into account such things as the model's purpose and complexity.
Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Jet Propulsion	GA	SCI.7.S7CS9.b	Scientific investigations usually involve collecting evidence, reasoning, devising hypotheses, and formulating explanations to make sense of collected evidence.
Vectoring	GA	SCI.7.S7CS5.b	Understand that different models (such as physical replicas, pictures, and analogies) can be used to represent the same thing.
Vectoring	GA	SCI.7.S7CS9.b	Scientific investigations usually involve collecting evidence, reasoning, devising hypotheses, and formulating explanations to make sense of collected evidence.

Center of Gravity, Pitch, Yaw	GA	SCI.7.S7CS3.a	Analyze scientific data by using, interpreting, and comparing numbers in several equivalent forms, such as integers, fractions, decimals, and percents.
Center of Gravity, Pitch, Yaw	GA	SCI.7.S7CS4.b	Use appropriate tools for measuring objects and/or substances.
Center of Gravity, Pitch, Yaw	GA	SCI.7.S7CS5.b	Understand that different models (such as physical replicas, pictures, and analogies) can be used to represent the same thing.
Fuel Efficiency	GA	SCI.7.S7CS6.c	Organize scientific information using appropriate simple tables, charts, and graphs, and identify relationships they reveal.
Fuel Efficiency	GA	SCI.7.S7CS9.b	Scientific investigations usually involve collecting evidence, reasoning, devising hypotheses, and formulating explanations to make sense of collected evidence.
Exploring the Extreme			
2004 Science			
Performance Standards			
Georgia Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Jet Propulsion	GA	SCI.8.S8CS5.b	Understand that different models (such as physical replicas, pictures, and analogies) can be used to represent the same thing.
Vectoring	GA	SCI.8.S8CS5.b	Understand that different models (such as physical replicas, pictures, and analogies) can be used to represent the same thing.
Center of Gravity, Pitch, Yaw	GA	SCI.8.S8CS4.b	Use appropriate tools and units for measuring objects and/or substances.
Center of Gravity, Pitch, Yaw	GA	SCI.8.S8CS5.b	Understand that different models (such as physical replicas, pictures, and analogies) can be used to represent the same thing.
Fuel Efficiency	GA	SCI.8.S8CS6.c	Organize scientific information in appropriate tables, charts, and graphs, and identify relationships they reveal.